ABSTRACT OF THE DISCLOSURE

A device for receiving an orthogonal frequency division multiplexing(OFDM) signal includes: an ADC for converting an analog OFDM signal into a digital signal; a control device for controlling a sampling clock of the digital signal from the ADC, and detecting a symbol start point; an FFT unit for performing the fast Fourier transform on the symbol from the control device; an operation device for calculating a common phase noise and a sampling clock offset amount of the symbol from the FFT unit, outputting the compensated symbol to the channel estimation unit, and providing the sampling clock offset amount to the control device; a channel estimation unit for estimating a channel property according to the value from the operation device; and an equalizing device for compensating for distortion of the reception signal according to the estimated channel property value from the channel estimation unit.